replicable expression vector operably linked to a suitable promoter;

E1 Contd

c) transforming a prokaryotic or eukaryotic microbial host cell culture with the vector step b);

d) culturing the host cell; and

e) recovering the immunoglobulin from the host cell culture, said immunoglobulin being capable of binding to a known antigen.--

--88 The method of claim ~~53~~ 87 wherein the heavy or light chain are the heavy or light chains of anti-CEA antibody.--

--89 The method of claim ~~53~~ 87 wherein the heavy chain is of the gamma family.--

--90 The method of claim ~~53~~ 87 wherein the light chain is of the kappa family.--

--91 The method of claim ~~53~~ 87 wherein the vector contains DNA encoding both a heavy chain and a light chain.--

--92 The method of claim ~~53~~ 87 wherein the host cell is E. coli or yeast.--

--93 The method of claim ~~58~~ 92 wherein the heavy chain, light chain or Fab region is deposited within the cells as insoluble particles.--

--94 The method of claim ~~59~~ 93 wherein the heavy or light chains are recovered from the particles by cell lysis followed by solubilization in denaturant.--

--95 The method of claim ~~53~~ 87 wherein the heavy or light chain